

DEPARTMENT OF THE ARMY  
Omaha District, Corps of Engineers  
106 South 15th Street  
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. DACA45 03-R-0051  
:all amendments may cause rejec- :  
:tion of the offer. See FAR : Date of Issue: 17 NOV 2003  
:52.215-1 of Section 00100 : Date of Receiving Proposals:  
08 JAN 2004

Amendment No. 0002  
19 December 2003

SUBJECT: Amendment No. 0003 to specifications and drawings for Construction of  
REPLACE HYDRANT FUEL SYSTEM, SGBP 050017, OFFUTT AFB, NEBRASKA  
Solicitation No. DACA45 03-R-0051.

TO: Prospective Offerors and Others Concerned

1. The specifications and drawings for subject project are hereby modified  
as follows (revise all specification indices, attachment lists, and drawing  
indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Am #0002, Page 2, Paragraph 1 a, items 7 and 8.

- (a) Item 7, delete "Page 17" and substitute "Page 18".
- (b) Item 8, delete "Page 19" and substitute "Page 20".

(2) Standard Form SF1442, delete pages 00010-1 thru 00010-5 and  
substitute attached revised Pages 00010-1 thru 00010-5. Revisions  
were made to Option O-3 description and Note 5 c.

(3) Section 00800, Page 7, paragraph 1.13, line 2, after "to dig  
and to close roads.", insert:

"The Contractor shall be responsible for securing digging permits. The  
Contractor will be provided a blank AF Form 103 'Base Civil Engineering  
Work Clearance Request' and shall be responsible for signatures and  
coordination with a list of contacts at the various Offutt Air Force  
Base organizations which will be provided to the Contractor at the  
preconstruction conference. The Contractor must obtain signatures from  
approximately 15 organizations before permission will be granted to  
begin excavation of any type."

(4) Section 00800, at the end of this section, insert the the  
attached AF Form 103 'Base Civil Engineering Work Clearance  
Request'.

(5) Section 02220A, Page 2, Part 1 General, under this heading,  
add:

"See SECTION 13280A -ASBESTOS ABATEMENT for instruction to remove  
asbestos tiles in Buildings 528 and 529 prior to demolition."

(6) Section 02721A, Page 5, paragraph 2.1.1, line 2, delete "No. 4" and substitute "No. 2".

(7) Section 13280A, Page 4, PART 1 GENERAL, line 1, after "This SECTION will apply", insert:

"for the removal of asbestos floor tiles in Pumphouses 528 and 529 and".

(8) Section 13280A, Page 10.

(a) Paragraph 1.3, line 4, before "describes", insert:

"Bldgs 528 and 529, and"

(b) Paragraph 1.3.1, delete text of paragraph in its entirety and substitute:

"a. The specific ACM to be removed will be identified through sampling of UST coatings.

b. Floor tile in Bldgs 528 and 529."

(9) Section 13280A, Page 29, following paragraph 3.6.7, add:

"3.6.7.1 Vinyl and Asphalt Flooring Materials

When removing vinyl and asphalt flooring materials, which contain ACM, the Contractor shall use the following practices as shown in RESPONSE ACTION DETAIL SHEET 56. Resilient sheeting shall be removed by adequately wet methods. Tiles shall be removed intact (if possible); wetting is not required when tiles are heated and removed intact. Flooring or its backing shall not be sanded. Scraping of residual adhesive and/or backing shall be performed using wet methods. Mechanical chipping is prohibited unless performed in a negative pressure enclosure. Dry sweeping is prohibited. The Contractor shall use vacuums equipped with HEPA filter, disposable dust bag, and metal floor tool (no brush) to clean floors."

(10) Section 13280A Attachments, insert the attached Set-Up Detail and Response Action Detail Sheets: 4, 18, 20, and 56.

b. Drawings (Not Reissued). The following sheets of drawing code AF 125-20-01 are revised as indicated below with latest revision date of 19 December 2003. These drawings are not reissued with this amendment.

(1) Sheet QB.01, REPLACEMENT SECTIONS A and B.

(a) Notes regarding the diameter of the new fuel line to be installed, delete '14"' and substitute '12"' (Total of 2 places).

(b) Notes reading 'New 32" Sand Backfill', delete '32"' and substitute '30"' (Total of 2 places).

(2) Sheet QB.02, REPLACEMENT SECTIONS C and D.

(c) Notes regarding the diameter of the new fuel line to be installed, delete '14"' and substitute '12"' (Total of 2 places).

(d) Notes reading 'New 32" Sand Backfill', delete '32"' and substitute '30"' (Total of 2 places).

(3) Sheet QC.01, TABLE 1, under "PAVEMENT THICKNESS" column, 2<sup>nd</sup> row, delete '18"' and substitute '22"'.

(4) Sheet MU.02, near drawing coordinate C-3 note reading '8" FUEL TRANSFER LINE SEE PROFILE SHT MU.05 ... SIMILAR', delete the word "TRANSFER" and substitute "SUPPLY".

(5) Sheet MU.10, BUILDING 531 FUEL LINE CONNECTION TO LOOP PROFILE.

(a) "STA. 2+58", delete "2+58" and substitute "3+38".

(b) Add to the profile, the following stations and information:

"STA. 0+83 CHANGE IN DIRECTION",  
"STA. 1+75 CHANGE IN DIRECTION" and  
"STA. 1+82 CHANGE IN DIRECTION".

(6) Sheet MD.01.

(a) ISOLATION VALVE VAULT 'A', add the following note with leader "IF" pointing to left side of valve flange.

(b) SECTION 1, add the following note with leader "IF" pointing to left side of valve flange.

(c) ISOLATION VALVE VAULT 'B', add the following note with leader "IF" pointing to right side of valve flange.

(d) SECTION 2, add the following note with leader "IF" pointing to right side of valve flange.

(7) Sheet MD.02, HYDRANT OUTLET PIT DETAIL (FOR HYDRANT HOSE TRUCK).

(a) SECTION 3, delete note reading '4" BALL VALVE' and substitute:

'4" FULL PORT BALL VALVE'

(b) SECTION 4, delete PVC threaded leak detection coupling with cap and attached note reading '4" PVC THREADED LEAK DETECTION COUPLING WITH CAP (TYP OF 2)'.

c. Drawings (Reissued). The following sheet of drawing code AF 125-20-01 is revised with latest revision date of 18 December 2003, and reissued with this amendment. Reissued drawing is available at <http://ebs-nwo.wes.army.mil>.

(1) Sheet S4.03.

2. This amendment is a part of the proposing papers and its receipt shall be acknowledged on the new Standard Form 1442. All other conditions and requirements of the specifications remain unchanged. If the proposals have been mailed prior to receiving this amendment, you will notify the office where proposals are received, in the specified manner, immediately of its receipt and of any changes in your proposal occasioned thereby.

a. Hand-Carried Proposals shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Proposals shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Offers will be received until 2:00 p.m., local time at place of receiving proposals, 08 JAN 2004.

Attachments:

Standard Form SF1442, Pages 00010-1 thru 00010-5

AF Form 103 Base Civil Engineering Work Clearance Request (Section 00800).

Set-Up Detail & Response Action Detail Sheets 4, 18, 20, & 56 (Section 13280A)  
Dwgs. listed in 1.c. above

U.S. Army Engineer District, Omaha  
Corps of Engineers  
106 South 15th Street  
Omaha, Nebraska 68102-1618

19 December 2003  
DRL/4547

<b>SOLICITATION, OFFER, AND AWARD</b> (Construction, Alteration, or Repair)	1. SOLICITATION NO.	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	DACA45-03-R-0051	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	17 NOV 2003	1 OF 5

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
7. ISSUED BY	CODE	8. ADDRESS OFFER TO
	CT	
U S ARMY ENGINEER DISTRICT, OMAHA 106 South 15th Street Omaha, Nebraska 68102-1618		U.S.ARMY CORPS OF ENGINEERS, OMAHA Attn: CONTRACTING DIVISION (CENWO-CT) 106 South 15th Street Omaha, Nebraska 68102-1618
9. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS)
	See SECTION 00100, Para. 15	See SECTION 00100, Para. 15

#### SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

The Offeror hereby agrees to do all the work described in these documents entitled:

REPLACE HYDRANT FUEL SYSTEM  
 SGBP 050017  
 OFFUTT AFB, NEBRASKA

RETURN WITH PROPOSAL: INFORMATION REQUIRED BY SECTION 00110; SECTION 00010 (SF1442); AND SECTION 00600

OTHER BONDING INFORMATION: SEE CONTRACT CLAUSES CLAUSE "PERFORMANCE AND PAYMENT BONDS".

\*\*--SEE SECTION 00110:PROPOSAL SUBMISSION REQUIREMENTS, INSTRUCTIONS AND EVALUATION (For number of Proposal Copies)

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>540</u> calendar days after receiving	
<input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See _____.)	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.)	12B. CALENDAR DAYS
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and \*\* copies to perform the work required are due at the place specified in Item 8 by 1400 (hour) local time 8 JAN 2004 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☐ is, ☒ is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 90 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)   DUNS Number:				15. TELEPHONE NO. (Include area code)  16. REMITTANCE ADDRESS (Include only if different than Item 14)			
CODE		FACILITY CODE					
17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within <u>90</u> calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)  <div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <b>AMOUNTS</b> </div> <div style="width: 85%;"> SEE ATTACHED PRICING SCHEDULE   Contractor's Fax No. _____ CAGE CODE _____  Contractor's E-Mail address _____ </div> </div>							
18. The offeror agrees to furnish any required performance and payment bonds.							
<b>19. ACKNOWLEDGMENT OF AMENDMENTS</b> (The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)							
AMENDMENT NO.							
DATE							
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)				20B. SIGNATURE		20C. OFFER DATE	
<b>AWARD (To be completed by Government)</b>							
21. ITEMS ACCEPTED:							
22. AMOUNT				23. ACCOUNTING AND APPROPRIATION DATA			
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)			ITEM  <div style="background-color: #e0e0e0; padding: 5px; text-align: center;">26</div>	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO  <input type="checkbox"/> 10 U.S.C. 2304(c) (     ) <input type="checkbox"/> 41 U.S.C. 253(c) (     )			
26. ADMINISTERED BY  U.S. Army Engineer District, Omaha 106 South 15th Street Omaha, Nebraska 68102-1618			CODE	27. PAYMENT WILL BE MADE BY  USAED Omaha c/o USACE Finance Center 5722 Integrity Drive Millington, TN 38054-5005			
<b>CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE</b>							
<input type="checkbox"/> <b>28. NEGOTIATED AGREEMENT</b> (contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.				<input type="checkbox"/> <b>29. AWARD</b> (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.			
30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)				31A. NAME OF CONTRACTING OFFICER (Type or print)			
30B. SIGNATURE		30C. DATE		31B. UNITED STATES OF AMERICA  BY		31C. AWARD DATE	

REPLACE HYDRANT FUEL SYSTEM  
OFFUTT AFB, NEBRASKA

**PRICING SCHEDULE**

Item No.	Description of Item	Estimated Quantity	Unit	Unit Price	Estimated Amount
<b>BASIC ITEMS</b>					
1.	All Work Complete for the Replace Hydrant Fuel System, excluding Item 2 and Options listed below.	XXXX	JOB	L.S.	\$ _____
2.	Excavation, Stockpiling, Handling of Petroleum Contaminated Soil, and Disposal (Includes Final Testing for Disposal). See Note 1				
	a. First 2,700 Tons	2,700	Tons	\$ _____	\$ _____
	b. Over 2,700 Tons	900	Tons	\$ _____	\$ _____
	<b>TOTAL BASIC (ITEMS 1 + 2)</b>				\$ _____

Item No.	Description of Item	Estimated Quantity	Unit	Unit Price	Estimated Amount
<b>OPTION ITEMS</b>					
O-1.	Additional amount for replacing interior epoxy coated carbon Steel piping with Stainless steel piping for Work identified in note 5 below for "SS Loop".	XXXX	JOB	L.S.	\$ _____
O-2	Additional amount for replacing interior epoxy coated carbon Steel piping with stainless steel piping for Work identified in note 5 below for "SS Pumphouse".	XXXX	JOB	L.S.	\$ _____
O-3	All work complete for North Fillstand. See Note 5.	XXXX	JOB	L.S.	\$ _____
O-4	All work complete for Canopy over the Truck fillstands. See Note 5.	XXXX	JOB	L.S.	\$ _____
O-5	All work complete for the demolition of Existing Pumphouse 529. See Note 5.	XXXX	JOB	L.S.	\$ _____
O-6	All work complete for the demolition of Existing Pumphouse 528. See Note 5.	XXXX	JOB	L.S.	\$ _____
O-7	Deductive amount for removing all phasing Requirements associated with Apron Work. See Note 5.	XXXX	JOB	L.S.	\$ _____
O-8	All work complete for Scully Grounding System. See Note 5.	XXXX	JOB	L.S.	\$ _____

REPLACE HYDRANT FUEL SYSTEM  
OFFUTT AFB, NEBRASKA

Item No.	Description of Item	Estimated Quantity	Unit	Unit Price	Estimated Amount
<b>OPTION ITEMS</b>					
<b>O-9</b>	Additional Excavation, Stockpiling, Handling of Petroleum Contaminated Soil, and Disposal (Includes Final Testing for Disposal). See Notes 1 and 5	500	Tons	\$ _____	\$ _____
<b>O-10</b>	Additional Excavation, Stockpiling, Handling of Petroleum Contaminated Soil, and Disposal (Includes Final Testing for Disposal). See Notes 1 and 5	500	Tons	\$ _____	\$ _____
<b><u>GRAND TOTAL AMOUNT (BASIC ITEMS &amp; OPTIONS O-1, O-2, O-3, O-4, O-5, O-6, O-7, O-9, AND O-10) – Excluding O-7</u></b>					\$ _____

**NOTES:**

1. Basic Item No. 2 is subject to the following Clause "Variation in Estimated Quantities for Sub-Divided Items." As follows:

VARIATIONS IN ESTIMATED QUANTITIES - SUBDIVIDED ITEMS (MAR 1995)

This Variation in Estimated Quantities Clause is applicable only to Item Nos. 2.

- (1) Variation from the estimated quantity in the actual work performed under any second or subsequent sub-item or elimination of all work under such a second or subsequent sub-item will not be the basis for an adjustment in contract unit price.
- (2) Where the actual quantity of work performed for Item Nos. 2 is less than 85 percent of the quantity of the first sub-item listed under such item, the Contractor will be paid at the contract unit price for that sub-item for the actual quantity of work performed and, in addition, an equitable adjustment shall be made in accordance with the clause FAR 52.211-18, Variation in Estimated Quantity.
- (3) If the actual quantity of work performed under Item No. 2 exceeds 115% or is less than 85% of the total estimated quantity of the sub-items under that item and/or if the quantity of work performed under the second sub-item or any subsequent sub-item under Item No. 2 exceeds 115% or is less than 85% of the estimated quantity of any such sub-item, and if such variation causes an increase or a decrease in the time required for performance of this contract the contract completion time will be adjusted in accordance with the clause FAR 52.211-18, Variation in Estimated Quantity. (EFARS 52.212-5001)

Variation to the Estimated Quantities required by Option Items O-9, and O-10 will be handled the same as Basic Item 2b above.

2. See Section 00100 INSTRUCTIONS, CONDITIONS AND NOTICES OFFERORS, paragraph EVALUATION OF OPTIONS for evaluation of pricing items and options. The Government reserves the right to exercise Options within 90 calendar days after Notice to Proceed (NTP). Option O-2 will not be exercised without exercising Option O-1. Option O-5 will not be exercised without exercising Option O-3. See Note 5 for additional information on Options. The Government reserves the right to exercise Option O-9 within 270 calendar days of NTP, and Option O-10 within 360 calendar days of NTP. **Options O-9 and O-10 provide the Government flexibility to use alternate funding sources to pay for the disposal of petroleum contaminated soils.**
3. Prices must be entered for all line items on the Pricing Schedule. Total amount prices submitted without prices



REPLACE HYDRANT FUEL SYSTEM  
OFFUTT AFB, NEBRASKA

for individual line items will not be evaluated. Additions will be subject to verification by the Government. In case of variation between the lump-sum prices and the total amount, the lump-sum prices will be considered the price. In case of variation between the unit prices and the extensions, the unit prices will be considered the amount proposed.

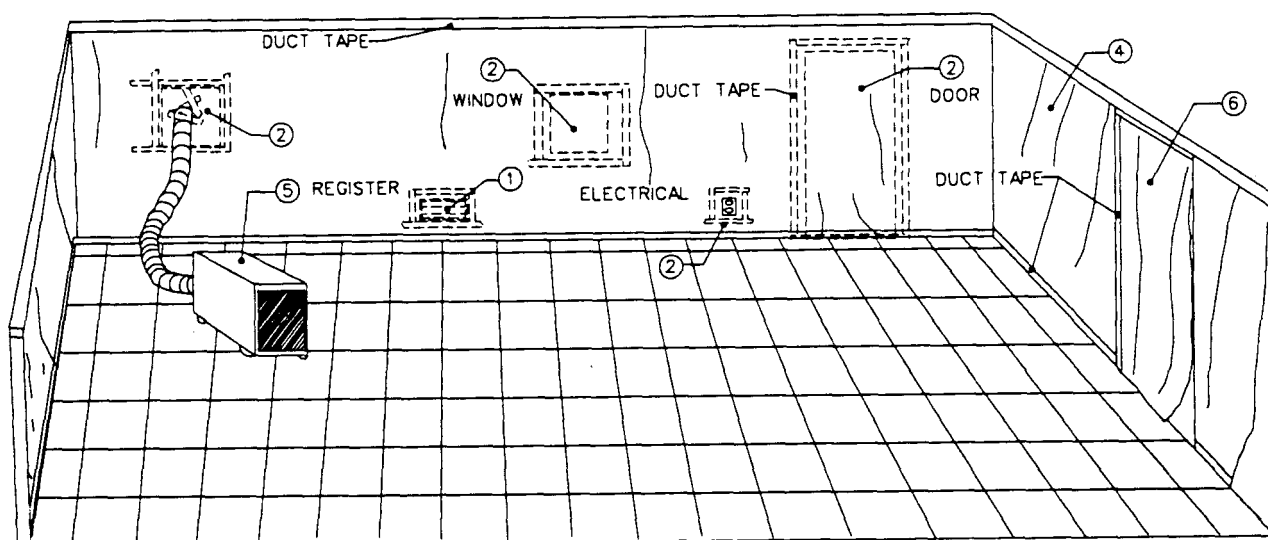
4. Modification to the Pricing Schedule items, basic or options should state the application of the adjustment to each respective lump sum (LS) price affected. If the modification is not so apportioned, the single adjustment will apply to Basic Item No. 1.
5. OPTIONS: See Note 2 above regarding the exercising of options.
  - a. **SS Loop (Option O-1).** The Basic will be interior epoxy coated carbon steel piping. This option changes the majority of all fuel piping from interior epoxy coated carbon steel to stainless steel. The following fuel piping shall be stainless steel:
    - Down stream of FSI-1 thru 5, including the 8" cross connection from return line (See M1.01
    - Supply to truck fill stands
    - Supply to HHT check out stand
    - Supply to all hydrants
    - Hydrant loop to isolation valve pit 3 downstream of fuel pit B-1
    - Pumphouse 531 supply from isolation valve vault 'B' to hydrant loop.
  - b. **SS Pumphouse (Option O-2).** All fuel piping not changed by option SS Loop shall be stainless steel except the following:
    - Pumphouse 531 supply from isolation valve vault 'B' to connection to existing
    - Pipe labeled '8" from bulk storage" on Sheet M1.01 from insulation flange (IF) to connection to existing fuel transfer line.
    - Inside the aboveground tanks
  - c. **North Fillstand (Option O-3).** The north fillstand is an option. **Piping shall be stainless steel.**
  - d. **Canopy (Option O-4).** The canopy over the truck fill stands is an option.
  - e. **Pumphouse 529 (Option O-5).** Demolition of Pumphouse 529, tanks and system piping, is an option, see Sheet MRU.01, elec, etc. Apron work is part of the Basic.
  - f. **Pumphouse 528 (Option O-6).** Demolition of Pumphouse 528, tanks and system piping, is an option, see Sheet MRU.01, elec, etc. Apron work is part of the Basic.
  - g. **Apron Phasing (Option O-7).** This option eliminates all phasing requirements associated with the apron work. This option if awarded shall cause a credit to the project. **This has no Option Priority, it is either a go no-go option depending on the runway project. This option item will not be included in the Best Value Determination.**
  - h. **Scully Grounding System (Option O-8).** Each truck fill stand shall be equipped with a Scully Grounding System. The grounding system shall enable/disable the truck fill control valve. Truck fill control valve, after being enabled, shall open when the hydraulic dead-man is squeezed.
  - i. **Contaminated Soil (Option O-9).** Excavation, Stockpiling, Handling of Petroleum Contaminated Soil, and Disposal (Includes Final Testing for Disposal) using available fiscal year funds from an approved alternate funding source. This item is similar to Basic Item 2b above.
  - j. **Contaminated Soil (Option O-10).** Excavation, Stockpiling, Handling of Petroleum Contaminated Soil, and Disposal (Includes Final Testing for Disposal) using available funds from an approved subsequent fiscal year alternate funding source. This item is similar to Basic Item 2b above.

<b>BASE CIVIL ENGINEERING WORK CLEARANCE REQUEST</b> <i>(See Instructions on Reverse)</i>										DATE PREPARED	
1. Clearance is requested to proceed with work at _____  on Work Order No. _____, Contract No. _____, involving excavation or utility disturbance per attached sketch. This area <input type="checkbox"/> has <input type="checkbox"/> has not been staked or clearly marked.											
2. TYPE OF FACILITY/WORK INVOLVED											
A. PAVEMENTS		D. FIRE DETECTION & PROTECTION SYSTEMS				G. AIRCRAFT OR VEHICULAR TRAFFIC FLOW					
B. DRAINAGE SYSTEMS		E. UTILITY		OVERHEAD		UNDERGROUND		H. SECURITY			
C. RAILROAD TRACKS		F. COMM		OVERHEAD		UNDERGROUND		I. OTHER			
3. DATE CLEARANCE REQUIRED						4. DATE OF CLEARANCE					
5. SIGNATURE OF REQUESTING OFFICIAL						6. TELEPHONE NO.			7. ORGANIZATION		
ORGANIZATION				REMARKS <i>(Use Reverse for additional comments)</i>				REVIEWER'S NAME AND INITIALS			
8. B A S E  C I V I L  E N G I N E E R I N G	A. ELECTRICAL DISTRIBUTION										
	B. STEAM DISTRIBUTION										
	C. WATER DISTRIBUTION										
	D. POL DISTRIBUTION										
	E. SEWER DISTRIBUTION										
	F. ENVIRONMENTAL										
	G. PAVEMENTS/ GROUNDS										
	H. FIRE PROTECTION										
	I. ZONE _____										
	J. OTHER <i>(Specify)</i>										
9. SECURITY POLICE											
10. SAFETY											
11. COMMUNICATIONS											
12. BASE OPERATIONS											
13. CABLE TV											
14. COMMERCIAL UTILITY COMPANY											
<input type="checkbox"/> TELEPHONE											
<input type="checkbox"/> GAS											
<input type="checkbox"/> ELECTRIC											
15. OTHER <i>(Specify)</i> _____											
16. REQUESTED CLEARANCE <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED											
17. TYPED NAME AND SIGNATURE OF APPROVING OFFICER <i>(Chief of Operations Flight or Chief of Engineering Flight)</i>										17a. DATE SIGNED	

### **INSTRUCTIONS**

*The BCE work clearance request is used for any work (contract or in-house) that may disrupt aircraft or vehicular traffic flow, base utility services, protection provided by fire and intrusion alarm system, or routine activities of the installation. This form is used to coordinate the required work with key base activities and keep customer inconvenience to a minimum. It is also used to identify potentially hazardous work conditions in an attempt to prevent accidents. The work clearance request is processed just prior to the start of work. If delays are encountered and the conditions at the job site change (or may have changed) this work clearance request must be reprocessed.*

18. REMARKS. *(This section must describe specific precautionary measure to be taken before and during work accomplishment. Specific comments concerning the approved method of excavation, hand or powered equipment, should be included.)*



### Installation of critical barrier and full containment area (for vinyl tile floors)

1. Establish work area so that unauthorized entry is prevented; see sheet 11. Eliminate airflow into containment area by isolating all supply and return air ducts from mechanical system. Lock doors and windows not required for access.

2. Install 6-mil polyethylene critical barriers over all windows, doors, wall openings, electrical outlets, etc. Secure with duct tape on all sides. HEPA vacuum furniture, fixtures, and equipment and remove from or protect in containment area, as specified by the contract.

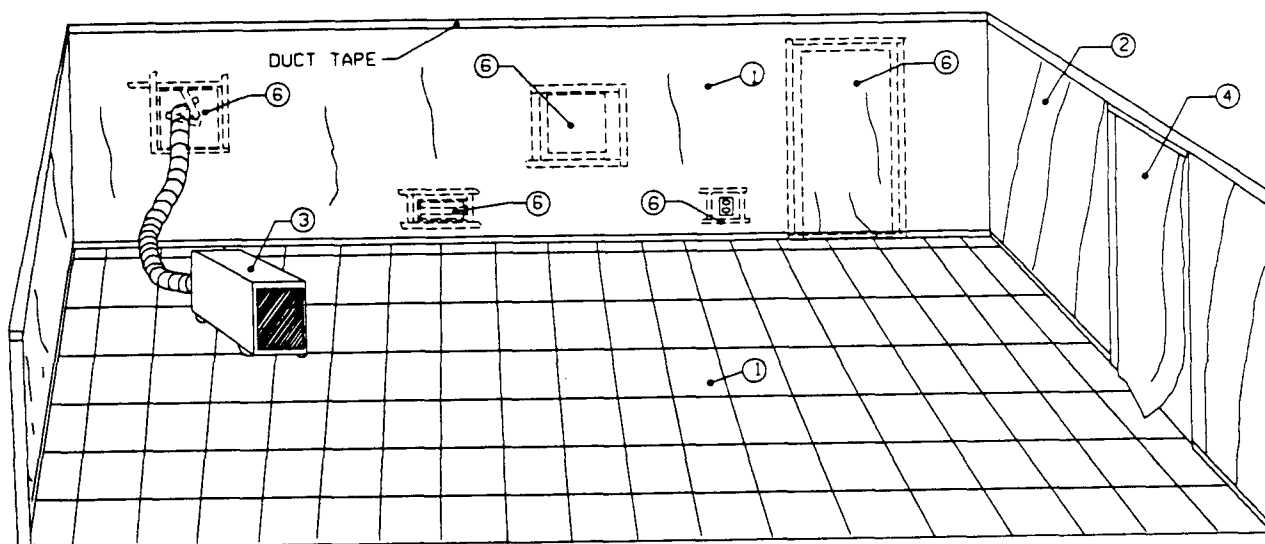
3. Prepare area as follows: turn off electrical power and remove light fixtures. Protect ceiling as required. HEPA vacuum floors and walls.

4. Protect wall surface with 6-mil polyethylene from floor to ceiling. Install viewing inspection windows, where feasible.

5. Install HEPA filter unit and duct work; see sheet 8.

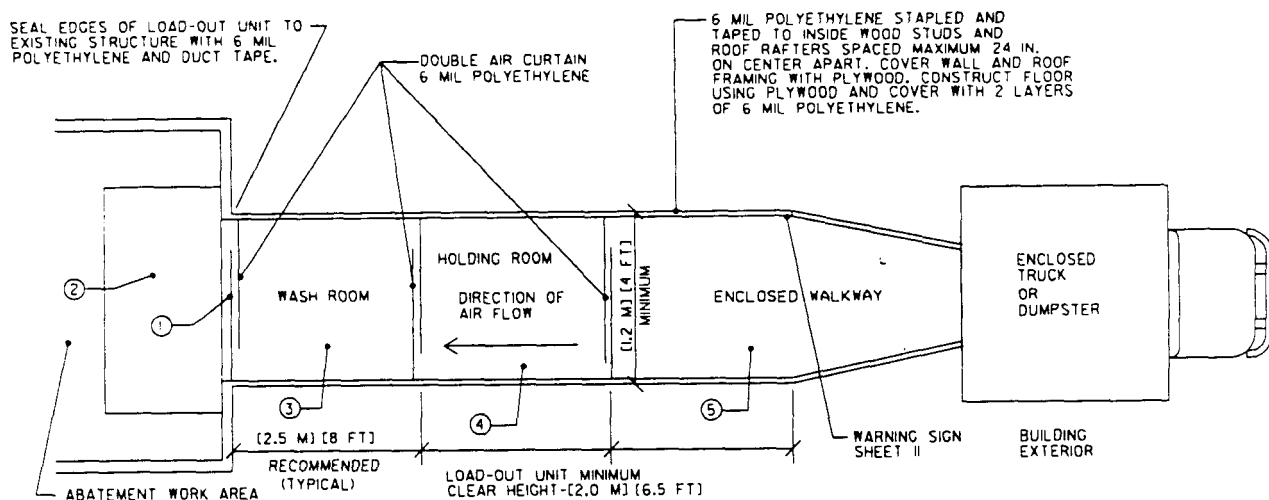
6. Prepare door into decontamination unit or load-out unit; see sheet 22 for decontamination unit and sheet 20 for load-out unit. Doors that swing into the work area must be removed from hinges.

**Final clearance requirements.** After abatement has been completed, see sheet 18 for final clearance requirements.



### Preparation of containment area for final clearance (for vinyl tile floors)

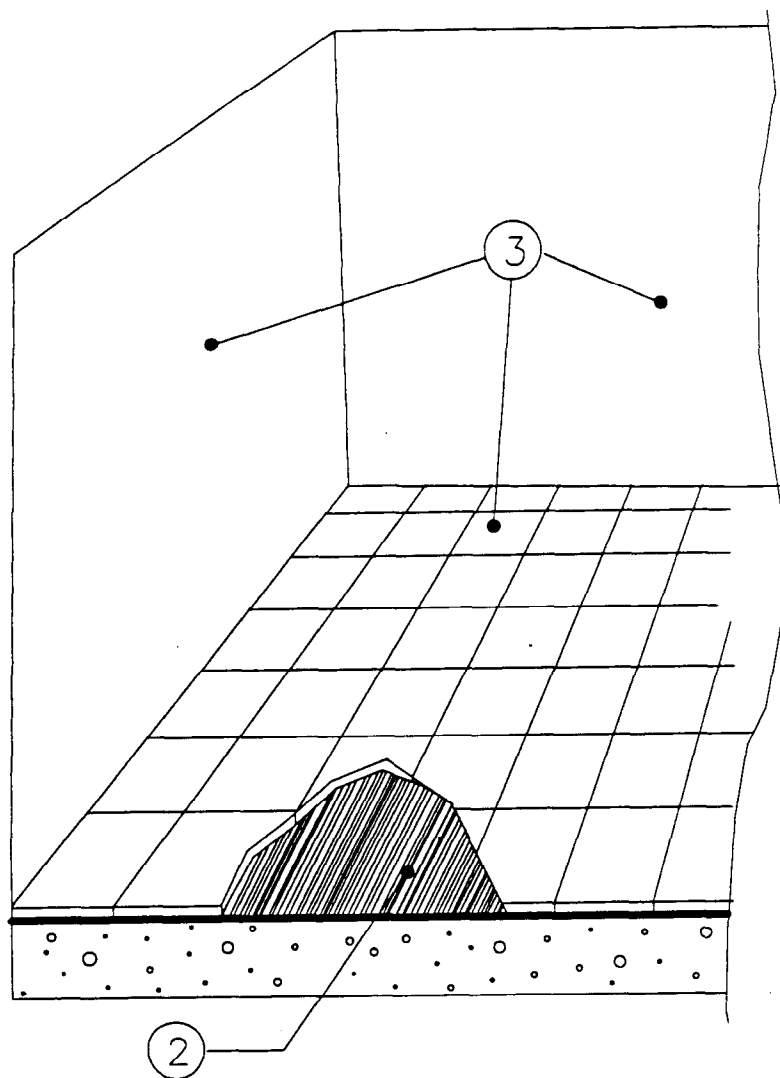
1. Accumulate all loose material for disposal; see sheet 9. Apply labels; see sheet 14. Adequately wet clean all wall, floor, and equipment surfaces.
2. Contractor and contracting officer will certify visual inspection of work area on sheet 19, *Certification of Final Clearing and Visual Inspection*.
3. Apply lockdown encapsulant.
4. Remove polyethylene from walls. Critical barriers sealing all windows, doors, wall openings, electrical outlets, etc., are to remain. Remove any temporary equipment enclosures used; see sheet 24. Treat polyethylene as asbestos-contaminated material. Place in approved container; see sheet 9 for leak-tight wrapping. Apply labels; see sheet 14.
5. HEPA filter unit remains in place and operating.
6. Door into decontamination unit or load-out room remains.
7. Prepare area for final clearance.
8. Contractor and Contracting Officer will recertify visual inspection of work area on sheet 19, *Certification of Final Cleaning and Visual Inspection*.
9. Contract designee(s) will conduct final air-clearance monitoring as required by the contract.
10. Upon instruction from Contracting Officer, shut down HEPA filter ventilation system, detach duct work, move system to equipment room of decontamination unit, clear and dispose of waste; see sheet 8. Remove critical barrier and place in approved container; see sheet 9. Apply labels; see sheet 14. Dispose of waste as asbestos-contaminated material.



**Load-out unit floor plan**

1. Abatement worker is to enter and exit abatement work area only through decontamination unit.
2. Place additional 6-mil polyethylene sheeting on top of abatement area floor. Double bag asbestos-contaminated material in this area before removing.
3. Wet wipe bags, equipment, and containers, and take to holding room.
4. Stage clean bags, equipment, and containers in holding room until disposal worker removes them.
5. Disposal workers, wearing full protective clothing and appropriate respirator protection, carry decontaminated bags and containers through enclosed walkway and into enclosed truck or Dumpster.

**Final clearance requirements.** Before breaking down load-out unit, adequately wet clean and HEPA vacuum all surfaces and prepare area for final clearance. Contractor and Contracting Officer will certify visual inspection of work area on sheet 19, *Certification of Final Cleaning and Visual Inspection*. Contractor will apply lockdown encapsulant. Contract designee(s) will conduct final air-clearance monitoring as required by the contract. Breakdown load-out area upon instructions from Contracting Officer. Treat as asbestos-contaminated material. Place in approved container; see sheet 9. Apply labels; see sheet 14. Dispose of as required by the contract.



### Repair of vinyl asbestos tile adhered to concrete floor system

1. Prepare work area; see sheet 21. Prevent unauthorized entry; see sheet 11.
2. Remove damaged asbestos tile. Place into an approved container; see sheet 9. Apply labels; see sheet 14.
3. HEPA vacuum and adequately wet clean.
4. Inspect.
5. Install new tile.
6. Prepare area for final clearance.
7. Carry out final clearance requirements specified on sheet 21.